

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|--|---|------------------|---------|------------------|
| L1    | 0    | 331/10,14,16,17,18,25,34,57. and vco and (pulse adj width)   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2005/02/14 10:12 |
| L2    | 426  | 331/10,14,16,17,18,25,34,57.ccls. and vco and (pulse adj width)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2005/02/14 10:13 |
| L3    | 21   | 331/10,14,16,17,18,25,34,57.ccls. and vco and (pulse adj width) and (increas\$3 near3 (magnitude\$1 or amplitude\$1))          | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2005/02/14 10:14 |
| L4    | 21   | 331/10,14,16,17,18,25,34,57,157, 176.ccls. and vco and (pulse adj width) and (increas\$3 near3 (magnitude\$1 or amplitude\$1)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2005/02/14 10:14 |
| S1    | 5    | 341/143.ccls. and (minimum with pulse with width)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2005/02/02 11:38 |
| S2    | 3    | 341/143.ccls. and (minimum with pulse with width) and sigma  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2005/02/02 11:01 |
| S3    | 6    | "341"/\$.ccls. and (minimum with pulse with width) and sigma   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2005/02/02 11:05 |
| S4    | 4    | "341"/\$.ccls. and (minimum with pulse with width) and ((sigma adj delta) or (delta adj sigma))                                | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2005/02/02 11:14 |
| S5    | 15   | PWM and (minimum with pulse with width) and ((sigma adj delta) or (delta adj sigma))   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2005/02/02 11:28 |

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|-----|----|---|---|----|-----|------------------|
| S6  | 1  | PWM and (minimum with pulse with width) and ((sigma adj delta) or (delta adj sigma)) and (analog adj adder) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/02/02 11:29 |
| S7  | 26 | 341/143.ccls. and (sigma with PWM)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/02/02 11:38 |
| S8  | 0  | ("6373417".pn. or "5499248".pn. or "5453995".pn.) and (minimum with pulse with width)                       | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/02/04 13:38 |
| S9  | 1  | pulse with width with "to" with voltage with converter  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/02/04 13:57 |
| S10 | 49 | ((phase with lock with loop) with pulse with width) and vco   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/02/04 14:01 |
| S11 | 1  | pulse with "to" with voltage with converter   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/02/04 13:57 |
| S12 | 0  | ((phase with lock with loop) with pulse with width) and vco and analog and (increase with magnitude)        | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/02/04 14:04 |
| S13 | 1  | ((phase with lock with loop) with pulse with width) and vco and analog and (increas\$3 with magnitude)      | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/02/04 14:05 |
| S14 | 2  | (phase with lock with loop) and PWM and vco and analog and (increas\$3 with magnitude)                      | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/02/04 14:06 |
| S15 | 34 | (phase with lock with loop) and vco and analog and (increas\$3 with magnitude) and (pulse with voltage)     | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/02/04 14:21 |

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| S16 | 55 | (phase with lock with loop) and vco and analog and (increas\$3 with amplitude\$1) and (pulse with voltage)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/04 14:22 |
| S17 | 47 | S16 not S15   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/04 14:26 |
| S18 | 24 | phase near lock near loop.ti. and (analog with input) and vco and (increas\$3 with magnitude\$1 or amplitude\$1)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/04 14:29 |
| S19 | 2  | phase near lock near loop.ti. and (analog with input) and vco and (increas\$3 with (magnitude\$1 or amplitude\$1))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/04 14:31 |
| S20 | 0  | (voltage near contro\$& near oscillat\$3).ti. and (analog with input) and vco and (increas\$3 with (magnitude\$1 or amplitude\$1))and (phase with (detect\$3 or compar\$3)) and pll | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/04 14:33 |
| S21 | 1  | (voltage near contro\$7 near oscillat\$3).ti. and (analog with input) and vco and (increas\$3 with (magnitude\$1 or amplitude\$1))and (phase with (detect\$3 or compar\$3)) and pll | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/05 15:09 |